



00MEL1-Sequence Data on CRF.WorkFile

Individual Applicant

Street : Specklesteinstrasse 55
City : Eukirchen
State :
Country : Germany
PostalCode :
PhoneNumber :
FaxNumber :
EmailAddress :
<110> LastName : Happe
<110> FirstName : Thomas
<110> MiddleInitial :
<110> Suffix :

Application Project

<120> Title : Hydrogen Production
<130> AppFileReference : 01MEL1
<140> CurrentAppNumber : 10/077,699
<141> CurrentFilingDate : 2002-02-15

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<211> Length : 5001

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SequenceDescription :

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<212> Type : DNA

<211> Length : 5208

SequenceName : Sequence # 2

SequenceDescription :

Sequence

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00MEL1-Sequence Data on CRF.WorkFile

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<212> Type : DNA

<211> Length : 3265

SequenceName : Sequence # 3

SequenceDescription :

Sequence

<213> OrganismName : Scenedesmus obliquus

<400> PreSequenceString :

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LTIMEEGTEL	LHRLQDHLEQ	HPNKEEPLPM	FTSCCPGWVA	MVEKSNPELI	PYLSSCKSPQ	180
MMLGAVIKNY	FAAEAGAKPE	DICNVSVMPK	VRKQGEADRE	WFNTTGAGGA	NVDHVMTTAE	240
LGKIFVERGI	KLNDLQETPF	DNPVGEVSGG	VLFGTTGGVM	EAALRTVYEV	VTQKPLDRIV	300
FEDVRGLEGI	KESTLHLTPG	PTSPFKAFAG	ADGTGITLNI	AVANGLGNAK	KLIKQLAAGE	360
SKYDFIEVMA	CPGGCIGGGG	QPRSADKQIL	QKRQAAMYDL	DERAVIRRSR	ENPLIGALYE	420
KFLGEPNGHK	AHELLHTHYV	AGGVPDEK				448

<212> Type : PRT

<211> Length : 448

SequenceName : Sequence # 4

SequenceDescription :

Sequence

<213> OrganismName : Chlamydomonas reinhardtii

<400> PreSequenceString :

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RLGFDEVFDT	LFGADLTIME	EGSELLHRLT	EHLEAHPHSD	EPLPMFTSCC	PGWIAMLEKS	180
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ADPTLRQLDH	VITTVELGNI	FKERGINLAE	LPEGEWDNPM	GVGSGAGVLF	GTTGGVMEAA	300
LRTAYELFTG	TPLPRLSLSE	VRGMDGIKET	NITMVPAPGS	KFEELLKHRA	AARAEAAAHG	360
TPGPLAWDGG	AGFTSEDGRG	GITLRVAVAN	GLGNAKKLIT	KMQAGEAKYD	FVEIMACPAG	420
CVGGGGQPRS	TDKAITQKRQ	AALYNLDEKS	TLRRSHENPS	IRELYDTYLG	EPLGHKAHEL	480
LHTHYVAGGV	EEKDEKK					497

<212> Type : PRT

<211> Length : 497

SequenceName : Sequence # 5

SequenceDescription :

Sequence

<213> OrganismName : Chlorella fusca

<400> PreSequenceString :

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00MEL1-Sequence Data on CRF.workFile

QIASAVRVAI	AETIGLAPGD	VTIGQLVTGL	RMLGFDYVFD	TLFGADLTIM	EEGTELLHRL	120
QDHLEQHPNK	EEPLPMFTSC	CPGWVAMVEK	SNPELIPYLS	SCKSPQMMLG	AVIKNYAQQ	180
VGVPQSDICN	VSVMPVCVRKQ	GEADREWNT	TGAGLARDVD	HVVTTAEVGK	IFLERGIKLN	240
ELPESNFDNP	IGEGTGGALL	FGTTGGVMEA	ALRTVYEVVT	QKPMGRVDFE	EVRGLEGIKE	300
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<212> Type : PRT

<211> Length : 436

SequenceName : Sequence # 6

SequenceDescription :

Sequence

<213> OrganismName : Scenedesmus obliquus

<400> PreSequenceString :

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tctcaagcag	cgctcgggat	gcctgagtg	caaccgggag	gtcggatg	tgcttctgtc	180
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<212> Type : RNA

<211> Length : 2636

00MEL1-Sequence Data on CRF.workFile
 SequenceName : Sequence # 7
 SequenceDescription :

Sequence

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<213> OrganismName : Chlamydomonas reinhardtii
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GCACCACCTA TTATTTCTAA TATCGTAGAC GCGACAAGAT GTCGGCGCTC GTGCTGAAGC    180
CCTGCGCGGC CGTGTCTATT CGCGGCAGCT CCTGCAGGGC GCGGCAGGTC GCGGGGCGCG    240
CTCCGCTCGC AGCCAGCACC GTGCGGTAG CCCTTGCAAC ACTTGAGGCG CCCGACGCGC    300
GCCTAGGCAA CGTCGCTTGC GCGGCTGCCG CACCCGCTGC GGAGGCGCCT TTGAGTCATG    360
TCCAGCAGGC GCTCGCCGAG CTTGCCAAGC CCAAGGACGA CCCCACGCGC AAGCACGTCT    420
GCGTGCAGGT GGCTCCGGCC GTTCGTGTCG CTATTGCCGA GACCCTGGGC CTGGCGCCGG    480
GCGCCACCAC CCCCAGCAG CTGGCCGAGG GCCTCCGCCG CCTCGGCTTT GACGAGGTGT    540
TTGACACGCT GTTTGGCGCC GACCTGACCA TCATGGAGGA GGGCAGCGAG CTGCTGCACC    600
GCCTCACCAG GCACCTGGAG GCGCACCCGC ACTCCGACGA GCGGCTGCCC ATGTTACCA    660
GCTGCTGCCC CGGCTGGATC GCTATGCTGG AGAAATCTTA CCCGGACCTG ATCCCCTACG    720
TGAGCAGCTG CAAGAGCCCC CAGATGATGC TGGCGGCCAT GGTCAAGTCC TACCTAGCGG    780
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TGCTGTTCCG CACCACCGGC GGTGTCTATG AGGCGGCGCT GCGCACGGCC TATGAGCTGT   1080
TCACGGGCAC CGCGCTGCCG CGCCTGAGCC TGAGCGAGGT GCGCGGCATG GACGGCATCA   1140
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AGTAGCACTT TGTGGAGATC ATGGCCTGCC CCGCGGGCTG TGTGGGCGGC GCGCGCCAGC   1440
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AGAAGTCCAC GCTGCGCCGC AGCCACGAGA ACCCGTCCAT CCGCGAGCTG TACGACACGT   1560
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CAGCTTCAAA GCGAGGGGGC GTATTAGCAG TACCGTAAAT ATGCACTGAT GGGTGATGCG   1740
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GAGTGGTGTC ACAGCATGGG GCACGTGTGC GGAGGCCAGT AGGCTGTTCA CTGCACGCTG   1860
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GATGCATTGC AAACGCCTGT AAAAGAACGG CATAGCTACT AGACACTCTG ATGTGGACCC   2340
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<212> Type : PRT
 <211> Length : 2399
 SequenceName : Sequence # 8
 SequenceDescription :

Sequence

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<213> OrganismName : Chlorella fusca
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atcgcgcaaa tcgcctccgc tgttcgtgtc gctattgtcg agaccattgg cttggcccca    300
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00MEL1-Sequence Data on CRF.WorkFile

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<212> Type : RNA

<211> Length : 2421

SequenceName : Sequence # 9

SequenceDescription :